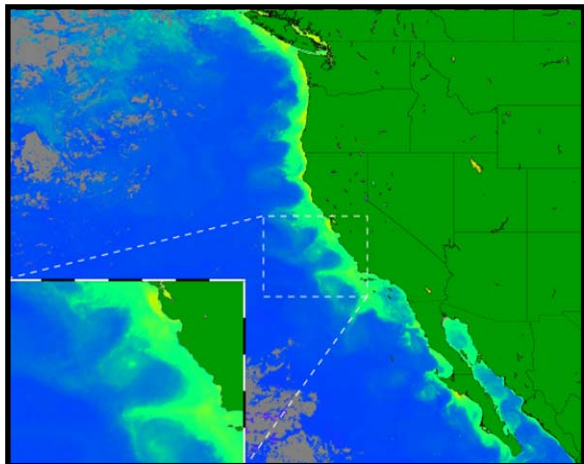




## Preview the Satellite Imagery

<http://coastwatch.noaa.gov>

For more information on the different satellites used and to see examples of satellite imagery, visit the CoastWatch homepage. There is no charge to download near real-time images. Use the "Product Search" to browse all data types.



## For Your Area

### Alaska

<http://cwatch.arh.noaa.gov>

### Caribbean

<http://cwcarribbean.aoml.noaa.gov>

### Central Pacific (Hawai'i)

<http://coastwatch.nmfs.Hawaii.edu>

### Great Lakes

<http://coastwatch.glerl.noaa.gov>

### Gulf of Mexico

<http://www.mslabs.noaa.gov/cwatch/>

### Northeast

<http://newton.gso.uri.edu/coastwatch/>

### West Coast

<http://coastwatch.pfel.noaa.gov>

## NOAA Satellites & Information

<http://www.nesdis.noaa.gov>

NOAA CoastWatch  
DOC/NOAA/NESDIS/ORA/ORAD  
NOAA Science Center, Room 601  
5200 Auth Road  
Camp Springs, MD 20746-4303  
<http://coastwatch.noaa.gov>



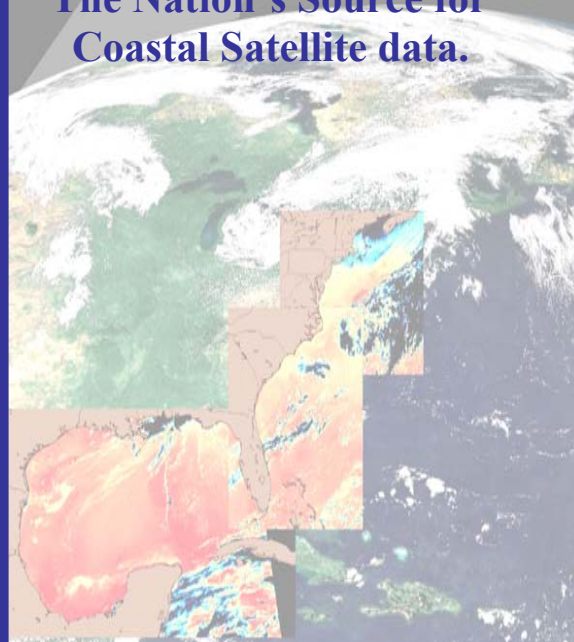
<http://coastwatch.noaa.gov>

NOAA CoastWatch



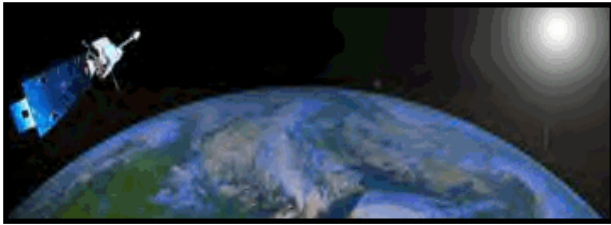
## CoastWatch

The Nation's Source for  
Coastal Satellite data.



US Department of Commerce  
National Oceanic and Atmospheric  
Administration  
National Environmental Satellite, Data &  
Information Service  
Office of Research and Applications  
Oceanic Research and Applications Division

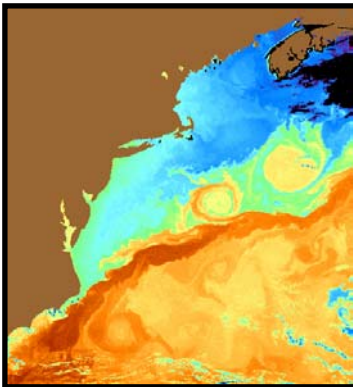
# COASTWATCH



Satellites orbiting the Earth send data back to the National Oceanic and Atmospheric Administration (NOAA). This raw data is processed by NOAA/NESDIS and made available by NOAA's CoastWatch Program.

Our mission is to provide and ensure timely access to near real-time satellite data to protect, restore, and manage U.S. coastal ocean resources, and understand climate variability and change to further enhance society's quality of life. Our primary users include Federal, State, and local marine scientists, coastal resource managers, and the general public.

Today, educators from middle school through college use CoastWatch images to introduce students to the world as seen from space.



## Technical Information for the Satellites and the Images

<u>Satellite</u>	<u>Orbit</u>	<u>Sensor</u>	<u>Resolution</u>	<u>Product</u>	<u>Images per Day**</u>
NOAA POES	Polar	AVHRR	1-4km	Sea Surface Temperature	4
NOAA GOES	Geostationary	Imager	6 km	Sea Surface Temperature	8
NASA Terra & Aqua	Polar	MODIS	1 km	Sea Surface Temperature	4
				Chlorophyll-a	
OrbImage OrbView-2	Polar	SeaWiFS	1 km	Chlorophyll-a, Turbidity	10
ADEOS-II	Polar	GLI	1 km	Sea Surface Temperature	10
		GLI	1 km	Chlorophyll-a	10
		*SeaWinds	25 km	Sea Surface Winds	14
NASA QuikScat	Polar	*SeaWinds	25 km	Sea Surface Winds	2
DOD DMSP	Polar	SSM/I	50 km	Sea Surface Winds	6

\*Same NASA Sensor

\*\*Over same geographic region

## Which Satellite to Access

NOAA's CoastWatch Program makes data available from a variety of sensors and satellites. Deciding which satellite data to download depends on the type of information that is needed. The most commonly requested data are:

- Sea Surface Temperature
- Ocean Color
- Surface Winds

Sea surface temperature images are used for locating fishing spots and forecasting weather. Ocean color images help scientists track physical and biological changes in the ocean. Sea surface wind images are primarily used by boaters and commercial ships. Each image is displayed in near real-time, which means the image is approximately 2 to 4 hours old.

